

**REPORT FROM ILEWG TO THE LUNAR SCIENCE WORKSHOP 2008**

B.H. Foing and International Lunar Exploration Working Group (ILEWG),  
 c/o ESTEC/SCI-S, postbus 299, 2200 AG Noordwijk, NL, Europe, ([Bernard.Foing@esa.int](mailto:Bernard.Foing@esa.int))

**Abstract:** We report on activities from ILEWG, the International Lunar Exploration Working Group (ILEWG), a public forum created in 1994, sponsored by the world's space agencies to support "international cooperation towards a world strategy for the exploration and utilization of the Moon - our natural satellite".

**ILEWG charter:** The charter of ILEWG is:

- To develop an international strategy for the exploration of the Moon
- To establish a forum and mechanisms for the communication and coordination of activities
- To implement international coordination and co-operation
- In order to facilitate communication among all interested parties ILEWG agrees to establish an electronic communication network for exchange of science, technology and programmatic information related to lunar activities

ILEWG meets regularly, at least, once a year, and leads the organization of an International Conference in order to discuss the state of lunar exploration.

Formal reports are given at COSPAR meetings and to space agencies.

**ILEWG working groups:** The International Lunar Exploration Working Group (ILEWG) is a public forum sponsored by the world's space agencies to support "international cooperation towards a world strategy for the exploration and utilization of the Moon - our natural satellite". The Forum is intended to serve three relevant groups:

- actual members of the ILEWG, ie delegates and representatives of the participating Space Agencies and organizations - allowing them to discuss and possibly harmonize their draft concepts and plans
- team members of the relevant space projects - allowing them to coordinate their internal work according to the guidelines provided by the Charter of the ILEWG
- members of the general public and of the Lunar Explorer's Society who are interested and wish to be informed on the progress of the Moon projects and possibly contribute their own ideas

**ILEWG activities:** On ILEWG website <http://sci.esa.int/ilewg>, users can obtain information on how to participate, as well as details on the latest news and events regarding lunar exploration, forthcoming meetings, relevant reports and documents of importance for the work of the ILEWG, summary descriptions of current lunar exploration projects (such as SMART-1, Chang'E1, Selene, Chandrayaan-1, LRO, LCROSS) funded by various space agencies, and basic data on the Moon itself. Activities of the related space agencies and organizations can also be found.

ILEWG has been organising International Conferences on Exploration and Utilisation of the Moon (ICEUM) since 1994, whose proceedings are published. It has also sponsored a number of activities, workshops, tasks groups and publications in collaborations with other organisations: COSPAR, space agencies, IAA, IAF, EGU (see references below).

**ILEWG reports:** In accordance with its charter, ILEWG reports to COSPAR, and a summary was given at Beijing COSPAR2006 on ILEWG activities conducted since the previous COSPAR2004 assembly in Paris. This included reports from the 6th and 7th ILEWG International Conference on Exploration and Utilisation of the Moon, held respectively in Udaipur, India on 22-26 November 2004 (ICEUM6) and in Toronto, Canada on 18-23 September 2005 (ICEUM7). We shall report at the Lunar Science Workshop 2008 on the "lunar declarations" from these ICEUM conferences, as well as for the ICEUM8 conference held in Beijing immediately after COSPAR.

**References:**

- [1] 1st International Lunar Workshop, 1994 May 31-June 3, Beatenberg, Switzerland, Proceedings, Balsiger H. et al., Editors, European Space Agency, 1994. ESA-SP-1170
- [2] 2nd International Lunar Workshop, held at Kyoto in October 1996, Proceedings, H. Mizutani, editor, Japan Space Forum Publisher, 1997
- [3] 3rd International Lunar Workshop, held at Moscow in October 1998, Proceedings, E. Galimov, editor
- [4] 4th International Conference on Exploration and Utilisation of the Moon, ESTEC, 2000, ESA SP-462, B.H. Foing & M. Perry, editors

[5] 5th ILEWG Conference on Exploration and Utilisation of the Moon, Hawaii Nov 2003, Durst S.M. et al, Editors, Proceedings ILC2005/ICEUM5, Vol 108, 1-576 pp, Science and Technology Series, American Astronautical Society, 2004

[6] 6th ILEWG Conference on Exploration and Utilisation of the Moon, Udaipur Nov. 2004, Bhandari N., Editor, Proceedings, Journal Earth System Science, India, 114, No6, Dec 2005, pp. 573-841

[7] 7th ILEWG Conference on Exploration and Utilisation of the Moon, Toronto Sept 2005, Programme and Proceedings on line at [www.ilewg.org](http://www.ilewg.org), R. Richards et al Editors

[8] 8th ILEWG Conference on Exploration and Utilisation of the Moon, Beijing July 2006, Proceedings, Journal of Astronautics of Chinese Society of Astronautics, Vol. 28 Sup., 2007, Ji W., Editor

[9] 9th ILEWG International Conference on Exploration and Utilization of the Moon, Sorrento, Italy, abstracts and presentations online (<http://sci.esa.int/iceum9>, Dec. 2007), Foing B., Espinasse S., Kusters G., Editors

[10] Barbieri C. and F. Rampazzi, F. Editors, 'Earth-Moon Relationships', Proceedings of the Conference held in Padova, Italy at the Accademia Galileiana di Scienze Lettere ed Arti, Nov. 2000), in Earth, Moon, Planets Vol. 85-86, Nos 1-3, pp 1-575, 2001

[11] Ehrenfreund, P., Foing, B.H., Cellino, A. Editors, The Moon and Near Earth Objects, Proceedings of COSPAR sessions, Advances in Space Research, Volume 37, Issue 1, pp 1-192, 2006

[12] Foing, B.H. et al editors, 'Astronomy and Space Science from the Moon', Proceedings of COSPAR/IAF session at World Congress, Washington, 1992, Advances in Space Research, Volume 14, Issue 6, 1994

[13] Foing, B.H. et al, editor, Lunar Exploration, Planetary and Space Science, Vol 50, issue 14-15, Dec 2002

[14] Foing, B.H., Heather, D. editors, 'Lunar Exploration 2000', Adv. Space Research Vol 30, Nr 8, 2002

[15] Huntress, W., Stetson, D., Farquhar, R., Zimmerman, J., Clark, B., O'Neil, W., Bourke, R. and Foing, B., 'The next steps in exploring deep space - A cosmic study by the IAA', Acta Astronautica, Vol 58, Issues 6-7, March-April 2006, p302-377

[16] Ip W.-H., Foing, B.H., Masson Ph.L., editors, The Moon and Mars, Proceedings of the B0.3 and B0.4 Symposia at 32nd COSPAR scientific assembly, Nagoya, Japan, July 1998, Advances in Space Research, Volume 23, Issue 11, 1999